

LISTING OF CLAIMS

This Listing of Claims will replace all prior versions of claims in the Application.

1. (Currently amended) A composition comprising a ~~reproductive~~ sperm cell and a medium, wherein the medium comprises at least one insulin-like growth factor and at least one transforming growth factor, and wherein the medium is a collection, holding, processing, in vitro fertilization, sexing, culturing or storage medium.
2. (Previously presented) The composition of claim 1, wherein the reproductive cell is a mammalian sperm cell.
3. (Previously presented) The composition of claim 2, wherein the reproductive cell is a porcine sperm cell.
4. (Previously presented) The composition of claim 2, wherein the reproductive cell is an equine sperm cell.
5. (Previously presented) The composition of claim 2, wherein the reproductive cell is a bovine sperm cell.
6. (Previously presented) The composition of claim 2, wherein the reproductive cell is an ovine sperm cell.
7. (Previously presented) The composition of claim 2, wherein the reproductive cell is a human sperm cell.
8. (Previously presented) The composition of claim 2, wherein the reproductive cell is an avian sperm cell.
9. (Previously presented) The composition of claim 2, wherein the reproductive cell is a piscian sperm cell.
10. (Canceled)
11. (Previously presented) The composition of claim 1, wherein the transforming growth factor comprises TGF β -1.

12. (Previously presented) The composition of claim 1, wherein the transforming growth factor comprises TGF β -2.
13. (Previously presented) The composition of claim 1, wherein the transforming growth factor comprises TGF β -1 and TGF β -2.
14. (Canceled)
15. (Previously presented) The composition of claim 1, wherein the insulin-like growth factor comprises IGF-1.
16. (Canceled)
17. (Original) The composition of claim 13, wherein the medium further comprises IGF-1.
18. (Original) The composition of claim 1, wherein the medium further comprises at least one component selected from the group consisting of inositol, transferrin, and fructose.
- 19-22. (Cancelled)
23. (Original) The composition of claim 11, wherein the medium is in liquid form and the TGF β -1 is present in a concentration from about 0.1 ng/L to about 10 μ g/L.
24. (Original) The composition of claim 23, wherein the TGF β -1 is present in a concentration from about 20 ng/L to about 400 ng/L.
25. (Original) The composition of claim 24, wherein the TGF β -1 is present in a concentration from about 50 ng/L to about 150 ng/L.
26. (Original) The composition of claim 12, wherein the medium is in liquid form and the TGF β -2 is present in a concentration from about 0.1 ng/L to about 200 ng/L.
27. (Original) The composition of claim 26, wherein the TGF β -2 is present in a concentration from about 0.4 ng/L to about 16 ng/L.
28. (Previously presented) The composition of claim 26 wherein the TGF β -2 is present in a concentration from about 1.8 ng/L to about 3.8 ng/L.
29. (Previously presented) The composition of claim 15, wherein the medium is in liquid form and the IGF-1 is present in a concentration from about 0.1 ng/L to about 30 μ g/L.

30. (Original) The composition of claim 29 wherein the IGF-1 is present in a concentration from about 40 ng/L to about 640 ng/L.
31. (Original) The composition of claim 29, wherein the IGF-1 is present in a concentration from about 200 ng/L to about 450 ng/L.
32. (Original) The composition of claim 1, wherein the medium further comprises a cryopreservative.
- 33-47. (Cancelled)
48. (Original) The composition of claim 1, wherein the medium further comprises zinc.
49. (Currently amended) ~~A composition comprising a sperm cell medium for porcine sperm cells;~~ The composition of claim 3, wherein the medium comprises TGF β -1, TGF β -2, and IGF-1.
- 50-53. (Cancelled)
54. (New) The composition of claim 1, wherein the medium is provided in solid form.